microSHIFT

2019

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NEW PRODUCTS

NEW CASSETTES

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CS-G113

CS-H103

NEW REAR DERAILLEUR

RD-M865M Wide Range Rear Derailleur ▶▶ P.4
- For Sprockets: 40-46T
- Active Motion Technology with LOCK /UNLOCK clutch function.

RD-M665M Wide Range Rear Derailleur ▶▶ P.6
- For Sprockets: 40-46T
- Active Motion Technology with LOCK /UNLOCK clutch function.

RD-M865M

RD-M665M

NEW SHIFTERS

BS-C11S Bar end Shifter (2/3 ×11-Speed) ▶▶ P.18
- 17mm shorter lever

BS-C11S

NEW REPAIR PRODUCTS

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CS-H082

CS-H072

MOUNTAIN

/TREKKING

LINEUP & COMPATIBILITY

	microSHIFT Models			SHIMANO
Series	Shifter	Front Derailleur	Rear Derailleur	Reference
XCD	SL-M861R		RD-M865M RD-M86M	XT 11S
XLE11	SL-M851R SB-M110		RD-M665M RD-M66M	SLX 11S
	SL-M11 BS-M11	FD-M622B/D double chainring FD-M622GB double chainring		
XLE10	SL-M760-2 SL-M850-2	FD-M612B/D double chainring	RD-M61S RD-M62L	XT 10S SLX 10S LX 10S Deore 10S
	SL-M10 BS-M10		RD-M61L RD-M62L	
	SL-M760-3 SL-M850-3	FD-M613B/D triple 42-32-24T		
MARVO LT	SL-M759-3 TS71-9 TS38-9 TS39-9 DS85-9 BS-T09	FD-M43 44-32-22T	RD-M46L RD-M46S	Alivio 9S Acera 9S Altus 9S
	SL-M859	FD-M462B/D		
mezzo	TS71-8 TS39-8 TS38-8 MS25-8 MS29-8	FD-M20 42-34-24T FD-M22 48-38-28T FD-M30 42-32-22T	RD-M36L RD-M36S	Acera 8S Altus 8S
	TS38-7 DS85-7 MS25-7 MS29-7		RD-M26L RD-M26S RD-M21L RD-M21S	Tourney 7S

* The specification of above models are compatible with SHIMANO derailleur system.

SL-M861R

Xpress+ Shift Lever (1×11-Speed)

- Xpress+ Technology
  - Bearings inside mechanism
- Aluminum Shift Lever
- Extra light Shifting
- Extra light weight
- Right side only
- **Weight: 104g**

RD-M865M NEW

Rear Derailleur (1×11-Speed)

- Aluminum, Medium cage
- Active Motion Technology
  LOCK: Clutch design for maximum chain stability
  UNLOCK: Lower Shifting effort
- For Sprockets: 40~46T
- Total Capacity: 41T
- Non-Clutch Option: RD-M86M
- Weight: 312g

WIDE RANGE

RD-M865M

CS-G113 NEW

Cassette with Spider (11 speed)

- ED Black sprockets
- Aluminum alloy bracket spider
- Aluminum lock ring
- **Gear combination: 11-40T, 11-42T, 11-46T**
- Weight: 419.5g (11-40T)
  426.5g (11-42T)
  488g (11-46T)

SL-M851R

Xpress+ Shift Lever (1×11-Speed)

SL-M851-2

Xpress+ Shift Lever (2×11-Speed)

- Xpress+ Technology
- Extra light Shifting
- Extra light Weight
- Weight: 225g (Pair)

SL-M11

Transferable Thumb Shifters (2/3 ×11-Speed)

- Full Aluminum CNC
- Micro adjusting barrels
- Left side: micro-Index
- **Right side: Index/Friction transferable**
- Shimano **MTB 11-Speed** compatible only
- Weight: 128g (Pair)

BS-M11

Transferable Bar end Shifter (2/3 ×11-Speed)

- Full Aluminum
- Left side: micro-Index
- **Right side: Index/Friction transferable**
- Shimano **MTB 11-Speed** compatible only
- Weight: 150g (Pair)

SB-M110

Dual control lever (1x11-Speed)

- **Left side brake lever only**
- **For MTB 1x11-Speed**
- Resin/Steel shift levers
- Aluminum brake levers
- Replaceable hood cover
- **Shimano MTB compatible only**
- Weight: 378g (Pair)

XLE11 1/2 x 11-Speed

FD-M622-B/D NEW

Front Derailleur (2×11-Speed)
- Full Aluminum
- Wide Link
- Dual pull
  or Top pull for fat tire: FD-M622-D-T
- Chainstay angle: 66-69°
- Capacity: 10T
- Top Gear Teeth: 34-38T
- Chain Line: 48.8mm
- Weight: 135g (D)

Mount Options:
- B: Clamp type 34.9 with 31.8 adapter
- D: Direct Mount

FD-M622G-B NEW

Front Derailleur (2×11-Speed)
- Full Aluminum
- Wide Link
- Dual pull
- **Chainstay angle: 63-66°**
- Capacity: 12T
- Top Gear Teeth: 42-46T
- **Low sprocket Max.46T**
- Chain Line: 48.8mm
- Weight: 149g (B)

Mount Options:
- B: Clamp type 34.9 with 31.8 adapter

RD-M665M NEW

Rear Derailleur (1×11-Speed)
- Steel, Medium cage
- Active Motion Technology

LOCK: Clutch design for maximum chain stability
UNLOCK: Lower Shifting effort
- For Sprockets: 40~46T
- Total Capacity: 41T
- Non-Clutch Option: RD-M66M
- Weight: 373g

CS-H113 NEW

Cassette (11 speed)
- ED Black sprockets
- Steel lock ring
- **Gear combination: 11-40T, 11-42T, 11-46T**
- Weight: 549.5g (11-40T)
  557g (11-42T)
  618g (11-46T)

SL-M850-2
Xpress Shift Lever (2×10-Speed)

SL-M850-3
Xpress Shift Lever (3×10-Speed)
- Extra light Weight
- Weight: 225g (Pair)

SL-M760-2
Xpress Shift Lever (2×10-Speed)

SL-M760-3
Xpress Shift Lever (3×10-Speed)
- Optical gear indicator
- Aluminum Shift Lever
- Weight: 286g (Pair)

FD-M612-B/D
Front Derailleur (2×10-Speed)
- Full Aluminum
- Wide Link
- Dual pull
  or Top pull for fat tire: FD-M612-D-T
- Chainstay angle: 66-69°
- Capacity: 14T
- Top Gear Teeth: 38-44T
- Chain Line: 48.8mm
- Weight: 142g (D)

Mount Options:
- B: Clamp type 34.9 with 31.8 adapter
- D: Direct Mount

FD-M612-D

FD-M613-B/D
Front Derailleur (42-32-24T or 40-30-22T ×10-Speed)
- Full Aluminum
- Wide Link
- Dual pull
  or Top pull for fat tire: FD-M613-D-T
- Chainstay angle: 66-69°
- Capacity: 18T
- Chain Line: 50mm
- Weight: 144g (D)

Mount Options:
- B: Clamp type 34.9 with 31.8 adapter
- D: Direct Mount

FD-M613-B

RD-M625L
Rear Derailleur (1x10-Speed)
- Steel, Long cage
- Active Motion Technology

ON: Clutch design for maximum chain stability
OFF: Lower Shifting effort
- Total capacity: 47T
- For Max. Sprockets: 36~42T
- Weight: 319g

WIDE RANGE

XLE10 1/2/3 x 10-Speed

RD-M62L

Rear Derailleur (1×10-Speed)

- Long cage
- Steel cage
- For Max. Sprockets: 36~42T
- Total capacity: 47T
- Weight: 285g

WIDE RANGE

RD-M61L

Rear Derailleur Long Cage (2/3 ×10-Speed)

RD-M61S

Rear Derailleur Short Cage (1/2 ×10-Speed)

- Steel cage
- Max. sprocket: 36T
- Total capacity: 35T (RD-M61S)
  43T (RD-M61L)
- Weight: 270g (RD-M61S)
  281g (RD-M61L)

CS-G100

Cassette with Spider (10 speed)

- Chrome plated sprockets
- Aluminum alloy bracket spider
- Aluminum lock ring
- **Gear combination: 11-36T**
- Weight: 357g (11-36T)

CS-H103 NEW

Cassette (10 speed)

- ED Black sprockets
- Steel lock ring
- **Gear combination: 11-40T, 11-42T**
- Weight: 527g (11-40T)
  535.5g (11-42T)

CS-H100

Cassette (10 speed)

- Chrome plated sprockets
- Steel lock ring
- **Gear combination: 11-32T, 11-34T, 11-36T**
- Weight: 351g (11-32T)
  377g (11-34T)
  446g (11-36T)

CS-H100 (11-32T)

SL-M859

Xpress Shift Lever (2/3×9-Speed)
- Extra light Weight
- Weight: 225g (Pair)

SL-M759-3

Xpress Shift Lever (3×9-Speed)
- Optical gear indicator
- Weight: 271g (Pair)

FD-M462-B/D

Front Derailleur (2×9-Speed)
- Full Aluminum
- Wide Link
- Dual pull
- Chainstay angle: 66-69°
- Capacity: 14T
- Top Gear Teeth: 34-42T
- Chain Line: 48.8mm
- Weight: 140g (D)
  154g (B)

Mount Options:
- B: Clamp type 34.9 with 31.8 adapter
- D: Direct Mount

FD-M462-B FD-M462-D

FD-M43

Front Derailleur (44-32-22T×9-Speed)
- One piece Aluminum bracket
- Dual pull
- Chainstay angle: 66-69°
- Capacity: 22T
- Chain Line: 50/47.5 mm
- Clamp type 34.9 /31.8 adapter /28.6 mm adapter
- Weight: 150g

RD-M46L

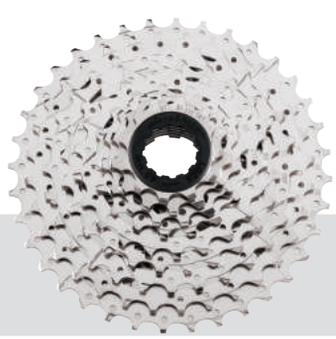
Rear Derailleur Long Cage (2/3 ×9-Speed)

RD-M46S

Rear Derailleur Short Cage (1/2 ×9-Speed)
- Max. sprocket: 36T
- Total capacity: 39T (RD-M46S)
  45T (RD-M46L)
- Weight: 307g (RD-M46S)
  317g (RD-M46L)

CS-H092

Cassette (9 speed)
- Nickel plated sprockets
- Steel lock ring
- **Gear combination: 11-32T, 11-34T, 11-36T**
- Weight: 337g (11-32T)
  363g (11-34T)
  442.5g (11-36T)



TS39-8
Thumb-Tap Shifter (3 ×8-Speed)

TS39-9
Thumb-Tap Shifter (3 ×9-Speed)

- Light shifting design
- Economical design
- Optical gear indicator
- Index for Left and Right side
- Weight: 242g (Pair)

RD-M36L
Rear Derailleur Long Cage (2/3 ×8/9-Speed)

RD-M36S
Rear Derailleur Short Cage (1/2 ×8/9-Speed)

- Max. sprocket: 34T
- Total capacity: 39T (RD-M36S) /45T (RD-M36L)
- Weight: 293g (RD-M36S)
  306g (RD-M36L)

FD-M30
Front Derailleur (42-32-22T ×8-Speed)

FD-M20
Front Derailleur (42-34-24T ×7/8-Speed)

FD-M22
Front Derailleur (48-38-28T ×7/8-Speed)

- One piece Aluminum bracket
- Dual pull
- Chainstay angle: 66-69°
- Capacity: 20T (FD-M30, FD-M22)
  18T (FD-M20)
- Chain Line: 50/47.5 mm
- Clamp type 34.9 /31.8 adapter /28.6 mm adapter
- Weight: 146g (FD-M30)
  143g (FD-M20)
  152g (FD-M22)

CS-H081
Cassette (8 speed) — Black

CS-H082 NEW
Cassette (8 speed) — Nickel plated

- Steel lock ring
- **Gear combination: 12-32T, 11-32T, 11-34T**

SL-M10

Transferable Thumb Shifters (2/3 ×10-Speed)
- Full Aluminum CNC
- Micro adjusting barrels
- Left side: micro-Index
- **Right side: Index/Friction transferable**
- Shimano **MTB 10-Speed** compatible only
- Weight: 128g (Pair)

BS-M10

Transferable Bar end Shifter (2/3 ×10-Speed)
- Full Aluminum
- Left side: micro-Index
- **Right side: Index/Friction transferable**
- Shimano **MTB 10-Speed** compatible only
- Weight: 150g (Pair)

SL-M860-2

Xpress+ Shift Lever (2×10-Speed)

SL-M860-3

Xpress+ Shift Lever (3×10-Speed)
- Xpress+ Technology
  - Bearings inside mechanism
- Aluminum Shift Lever
- Extra light Shifting
- Extra light Weight
- **Weight: 207g (Pair)**

TS71-9

Thumb-Tap Shifter (3×9-Speed)

TS71-8

Thumb-Tap Shifter (3×8-Speed)
- Short stroke design
- Optical gear indicator
- Index for Left and Right side
- Weight: 282g (Pair)

TS38-9

Thumb-Tap Shifter (3×9-Speed)

TS38-8

Thumb-Tap Shifter (3×8-Speed)

TS38-7

Thumb-Tap Shifter (3×7-Speed)

TS38-6

Thumb-Tap Shifter (3×6-Speed)
- Light shifting design
- Economical design
- Optical gear indicator
- Index for Left and Right side
- Weight: 242g (Pair)

DS45-7R

Smart Deck Shifter (7-Speed)

- Low Torque Technology
- Optical gear indicator
- Right side
- Weight: 88g

DS85-9

Twist Type Shifter (3×9-Speed)

DS85-8

Twist Type Shifter (3×8-Speed)

DS85-7

Twist Type Shifter (3×7-Speed)

- Optical gear indicator
- Compact twist type shifter
- Right side: Index

Options: Left side Index (LI) or Friction (LF)

MS25-8

Twist Type Shifter (3×8-Speed)

MS25-7

Twist Type Shifter (3×7-Speed)

MS25-6

Twist Type Shifter (3×6-Speed)

- Standard Twist type shifter
- Right side: Index

Options: Left side Index (LI) or Friction (LF)

MS29-8

Twist Type Shifter (3×8-Speed)

MS29-7

Twist Type Shifter (3×7-Speed)

MS29-6

Twist Type Shifter (3×6-Speed)

- Standard Twist type shifter
- Right side: Index

Options: Left side Index (LI) or Friction (LF)

MS12-7

Twist Type Shifter (3×7-Speed)

MS12-6

Twist Type Shifter (3×6-Speed)

- Economical Twist type shifter
- Right side: Index

Options: Left side Index (LI) or Friction (LF)

RD-M26L
Rear Derailleur Long Cage (2/3 × 8/9-Speed)

RD-M26S
Rear Derailleur Short Cage (1/2 × 8/9-Speed)

- Wide Link Economical Type
- Resin / Steel Parts
- Max. sprocket: 34T
- Total capacity: 39T (RD-M26S)
  45T (RD-M26L)

RD-M26L RD-M26S

RD-M21L /LA
Long Cage (2/3 ×6/7-Speed)

RD-M21S /SA
Short Cage (2 ×6/7-Speed)

RD-M21SS /SSA
Super Short Cage (1 ×6/7-Speed)

- Resin/Steel Parts
- Economical Type
- Max. sprocket: 32T
- Total capacity: 43T(L) /37T(S) /21T(SS)

Mount Options:
- L /S /SS: Direct Attachment
- LA /SA /SSA: with Bracket (Reverse Type)

RD-M21L RD-M21SS RD-M21SA

CS-H071
Cassette (7 speed) — Black

CS-H072 NEW
Cassette (7 speed) — Nickel plated

- Steel lock ring
- **Gear combination: 12-28T**

CS-H071 CS-H072

CITY

LINEUP & COMPATIBILITY

Shifters for internal gear hub					
microSHIFT	SB-N110	SB-N080 SL-N08 BS-N08 SL-N768	SL-N758 DN85-8	SL-N757 DN85-7 TN71-7	DN85-3 MN27-3 DN35-3 BC-01
SHIMANO	Alfine inter 11	Alfine inter 8	Nexus inter 8	Nexus inter 7	Nexus inter 3

* The specification of above models are compatible with SHIMANO derailleur & gear hub system.

SB-N110
Dual Control Lever (Alfine 11)

SB-N080
Dual Control Lever (Alfine 8)

- **Left side brake lever only**
- microSHIFT Independent Control Technology
- Resin/Steel shift levers
- Aluminum brake levers
- Replaceable hood cover
- Shimano Alfine compatible

SL-N08
Thumb Shifters (Alfine /Nexus Inter 8)

- Full Alluminum CNC
- Alfine /Nexus Inter 8 compatible

BS-N08
Bar end Shifters (Alfine /Nexus Inter 8)

- Full Aluminum CNC
- Alfine /Nexus Inter 8 compatible

SL-N768
Xpress Shift Lever (Alfine 8 (S7000))

- Optical gear indicator
- Aluminum shift lever
- Alfine 8 (S7000) compatible

SL-N758
Xpress Shift Lever (Nexus Inter 8)

SL-N757
Xpress Shift Lever (Nexus Inter 7)

- Optical gear indicator
- Nexus Inter Series compatible

TN71-7

Thumb-Tap Shifter (Nexus Inter 7)

- Optical gear indicator
- Nexus Inter 7 compatible

DN85-8

Twist Type Shifter (Nexus Inter 8)

DN85-7

Twist Type Shifter (Nexus Inter 7)

DN85-3

Twist Type Shifter (Nexus Inter 3)

- Optical gear indicator
- Compact twist type shifter
- Nexus Inter Series compatible

DN85-3 DN85-8

MN27-3

Twist Type Shifter (Nexus Inter 3)

- Standard twist type shifter
- Nexus Inter 3 compatible

BC-01

Connector (Nexus Inter 3)

- Connector (bell crank)for Nexus Inter 3 gear hub
- Compatible with **MN27-3, DN85-3**

ROAD

LINEUP & COMPATIBILITY

microSHIFT Models				SHIMANO
Series	Shifter	Front Derailleur	Rear Derailleur	Reference
ARsis11	SB-R512C BS-C11	FD-R68 double chainring	RD-R68S	Dura-Ace 9000 11s Ultegra 6800 11s
CENTOS11	SB-R512B SL-R861 BS-A11	FD-R58 double chainring	RD-R58S	105 5800 11s
CENTOS10	SB-R502B SL-R860B-2 BS-A10B	FD-R552 double chainring	RD-R55S	Tiagra 4700 10s
R10	SB-R402K SL-R760-2	FD-R712 double chainring	RD-R51M	Tiagra 4600 10s
	BS-A10	FD-R74 double chainring	RD-R47S	
	SB-R403K SL-R760-3	FD-R730 50-39-30T FD-R732 52-39-30T	RD-R47	Tiagra 4603 10s
R9	SB-R492 SL-R492(S) SL-R769-2	FD-R352 double chainring	RD-R43M	Sora 3500 9s Sora R3000 9s
	BS-A09	FD-R329 double chainring	RD-R42S	
	SB-R493 SB-R493(S) SL-R769-3	FD-R353 50-39-30T	RD-R42	Sora 3503 9s Sora R3030 9s
R8	SB-R482 SB-R482(S) SL-R758-2	FD-R252 double chainring FD-R328 double chainring	RD-R32S	Claris 2400 8s
	SB-R483 SB-R483(S) SL-R758-3	FD-R253 50-39-30T FD-R338 52-42-30T	RD-R32	Claris 2403 8s

* The specification of above models are compatible with SHIMANO derailleur system.

SB-R512C

Dual Control Lever (2×11-Speed)
- Inner route cables
- microSHIFT Independent Control Technology
- Shift & Go Technology
  - Shift-Down: Max. 3 gears in one stroke
  - Shift-Up: Max. 4 gears in one stroke
- Carbon brake levers
- Cold Forged Aluminum shift levers
- Replaceable hood cover
- Screw type adjustable reach (0~12mm)
- Weight: 498g (Pair)

BS-C11 / BS-C11S NEW

Bar end Shifter (2/3 ×11-Speed)
- Carbon shift levers
- BS-C11S: 17mm shorter lever
- Left side: micro-Index
  Right side: Index
- Weight: 136g (Pair)

BS-C11S

FD-R68-B/F

Front Derailleur (2×11-Speed)
- Cold forged Aluminum bracket
- Carbon outer link
- Down pull
- Chainstay angle: 61-66°
- Capacity: 16T
- Top Gear Teeth: 50-56T
- Chain Line: 43.5mm
- Weight: 97g (F)

Mount Options:
- B: Clamp type 34.9 with 31.8 adapter
- F: Brazed on type

RD-R68S

Rear Derailleur (2×11-Speed)
- Carbon outer link
- Sealed bearings inside pulleys
- Short cage
- Max. sprocket: 25-32T
- Total capacity: 35T
- Weight: 197g

CS-G110

Cassette with Spider (11 speed)
- Chrome plated sprockets
- Aluminum alloy bracket spider
- Aluminum lock ring
- **Gear combination: 11-25T, 11-28T**
- Weight: 264.5g (11-25T)
  271.5g (11-28T)

SB-R512B *Anodized Black /Piano White*

Dual Control Lever (2×11-Speed)
- Inner route cables
- microSHIFT Independent Control Technology
- Shift & Go Technology
  - Shift-Down: Max. 3 gears in one stroke
  - Shift-Up: Max. 4 gears in one stroke
- Cold Forged Aluminum Shift lever
- Cold Forged Aluminum brake lever
- Replaceable hood cover
- Screw type adjustable reach (0~12mm)
- Weight: 498g (Pair)

SL-R861

Xpress+ Shift Lever (2×11-Speed)
- Xpress+ Technology
  - Bearings inside mechanism
- Aluminum Shift Lever
- Extra light Shifting
- Extra light Weight
- For flat type handlebar
- **Left Shifter with trimming function**
- Shimano Road compatible
- **Weight: 205g (Pair)**

SL-R761

Xpress+ Shift Lever (2×11-Speed)
- Optical gear indicator
- Xpress+ Technology
  - Bearings inside mechanism
- Aluminum Shift Lever
- For flat type handlebar
- **Left Shifter with trimming function**
- Shimano Road compatible
- Weight: 292g (Pair)

BS-A11

Bar end Shifters (2/3 ×11-Speed)
- Aluminum shift levers
- Left side: micro-Index
  Right side: Index
- Weight: 140g (Pair)

SL-A11

Thumb Shifter (2×11-Speed)
- Full Aluminum
- Left side: micro-Index
  Right side: Index
- Shimano Road compatible
- **Weight: 112g (Pair)**

FD-R58-B/F *Stone Black /Ceramics White*

Front Derailleur (2×11-Speed)
- Cold Forged Aluminum Bracket
- Cold Froged Inner & Outer Link
- Down pull
- Chainstay angle: 61-66°
- Capacity: 16T
- Top Gear Teeth: 50-56T
- Chain Line: 43.5mm
- Weight: 95g (F)

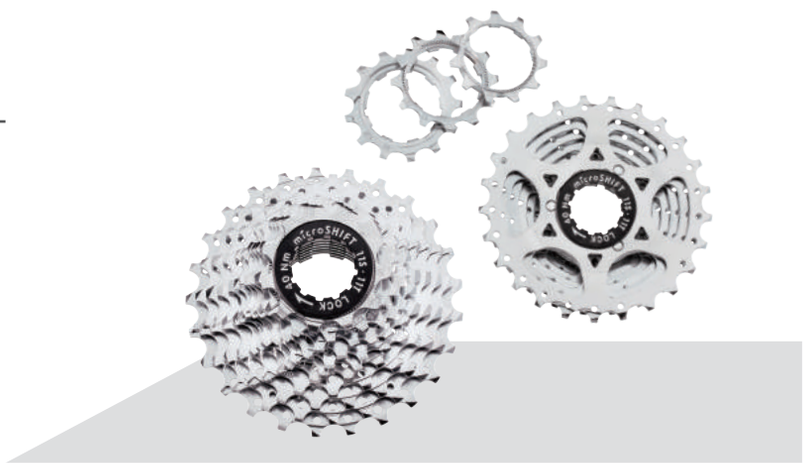
  Mount Options:
  - B: Clamp type 34.9 with 31.8 adapter
  - F: Brazed on type

RD-R58S *Stone Black /Ceramics White*

Rear Derailleur (2×11-Speed)
- Full Aluminum
- Short cage
- Max. sprocket: 25-32T
- Total capacity: 35T
- Weight: 194g

CS-H110

Cassette (11 Speed)
- Chrome plated sporckets
- Steel lock ring
- **Gear combination: 11-25T, 11-28T, 11-32T**
- Weight: 301g (11-25T)
  311g (11-28T)
  371g (11-32T)



SB-R502B

Dual Control Lever (2×10-Speed)
- Inner route cables
- microSHIFT Independent Control Technology
- Shift & Go Technology
  -Shift-Down: Max. 3 gears in one stroke
  -Shift-Up: Max. 4 gears in one stroke
- Cold Forged Aluminum brake levers
- Steel/Resin shift levers
- Replaceable hood cover
- Screw type adjustable reach (0~12mm)
- Weight: 498g (Pair)

SL-R860B-2

Xpress+ Shift Lever (2×10-Speed)
- Xpress+ Technology
  - Bearings inside mechanism
- Aluminum Shift Lever
- Extra light Shifting
- Extra light Weight
- For flat type handlebar
- **Left Shifter with trimming function**
- Shimano Road compatible
- **Weight: 205g (Pair)**

BS-T10B

Transferable Bar end Shifter (2/3 ×10-Speed)

BS-A10B

Bar end Shifter (2/3 ×10-Speed)
- Full Aluminum
- A model:
  - Left side: micro-Index
  - Right side: Index
- T model:
  - Left side: micro-Index
  - **Right side: Index /Friction transferable**
- Shimano new Tiagra 4700 compatible
- Weight: 140g (A) (Pair)
  141g (T) (Pair)

BS-T10B

SL-T10B

Transferable Thumb Shifter (2/3 ×10-Speed)

SL-A10B

Thumb Shifter (2/3 ×10-Speed)
- Full Aluminum
- A model:
  - Left side: micro-Index
  - Right side: Index
- T model:
  - Left side: micro-Index
  - **Right side: Index /Friction transferable**
- Shimano new Tiagra 4700 compatible

FD-R552-B/F

Front Derailleur (2×10-Speed)
- Cold Forged Aluminum Bracket
- Cold Froged Inner & Outer Link
- Down pull
- Chainstay angle: 61-66°
- Capacity: 16T
- Top Gear Teeth: 50-56T
- Chain Line: 43.5mm
- **Rear Sprocket max ≦ 34T**
- Weight: 119g (B)

Mount Options:
- B: Clamp type 34.9 with 31.8 adapter
- F: Brazed on type

RD-R55S

Rear Derailleur (2×10-Speed)
- Full Aluminum.
- Short cage
- Max. sprocket: 25-32T
- Total capacity: 35T
- Weight: 195g

CS-G100

Cassette with Spider (10 speed)
- Chrome plated sprockets
- Aluminum alloy bracket spider
- Aluminum lock ring
- **Gear combination: 11-25T, 11-28T**
- Weight: 239g (11-25T)
  255g (11-28T)

SB-R502E

Dual Control Lever(2 x10-speed)

- Inner route cables
- Resin/ Steel shift levers
- Cold Forged Aluminum brake levers
- Screw type adjustable reach (0~12mm)
- Shimano 6700, 5700, 4600 compatible
- Weight: 498g (pair)

SB-R402K *Silver /Anodized Black*

Dual Control Lever (2×10-Speed)

SB-R402K(S) *Silver /Anodized Black*

Short Reach Dual Control Lever (2×10-Speed)

SB-R403K *Silver /Anodized Black*

Dual Control Lever (3x10-Speed)

SB-R403K(S) *Silver /Anodized Black*

Short Reach Dual Control Lever (3x10-Speed)

- microSHIFT Independent Control Technology
- Shift & Go Technology
  - Shift-Up: Max.3 gears in one stroke
- Resin/ Steel shift levers
- Cold Forged Aluminum brake levers
- Replaceable hood cover
- Short Reach distance difference: 10mm
- Weight: 430g (pair)

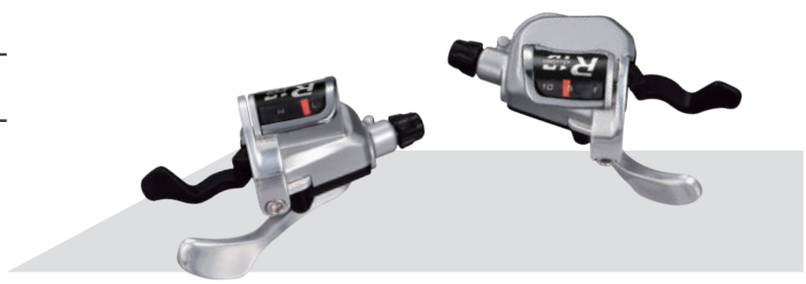
SL-R760-2

Xpress Shift Lever (2×10-Speed)

SL-R760-3

Xpress Shift Lever (3×10-Speed)

- Optical gear indicator
- Aluminum Shift Lever
- For flat type handlebar
- **Left Shifter with trimming function**
- SHIMANO road compatible
- Weight: 284g (Pair)



BS-T10

Transferable Bar and Shifter (2/3 x10-Speed)

BS-A10

Bar and Shifter (2/3 x10-Speed)

- Full Aluminum
- A model:
  - Left side: micro-Index
  - Right side: Index
- T model:
  - Left side: micro-Index
  - **Right side: Index/Friction transferable**
- Shimano 5700, 4600 compatible
- Weight: 140g (A) (Pair)
  141g (T) (Pair)

BS-T10

SL-A10

Transferable Thumb Shifter (2/3 x10-Speed)

SL-T10

Thumb Shifter (2/3 x10-Speed)

- Full Aluminum
- A model:
  - Left side: micro-Index
  - Right side: Index
- T model:
  - Left side: micro-Index
  - **Right side: Index/Friction transferable**
- Shimano 5700, 4600 compatible

FD-R712-B/F *Silver /Black*

Front Derailleur (2×10-Speed)

- Down pull
- Chainstay angle: 61-66°
- Capacity: 16T
- Top Gear Teeth: 50-56T
- Chain Line: 43.5mm
- **Rear Sprocket max ≦ 34T**
- Weight: 96g (F)

Mount Options:

- B: Clamp type 34.9 with 31.8 adapter

- F: Brazed on type

FD-R730-B/F *Silver /Anodized Black*

Front Derailleur (50-39-30T ×10-Speed)

FD-R732-B/F *Silver /Anodized Black*

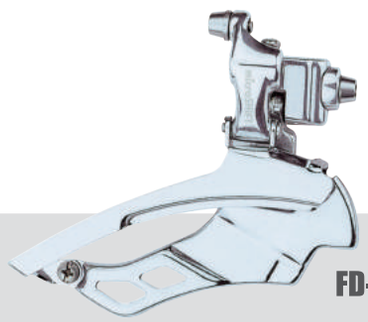
Front Derailleur (52-39-30T ×10-Speed)

- Cold forged Aluminum bracket
- Cold forged Aluminum inner & outer link
- Down pull
- Chainstay angle: 63-66°
- Capacity: 20T (FD-R730-B/F)
  22T (FD-R732-B/F)
- Chain Line: 45mm
- Weight: 119g (FD-R730F)
  117g (FD-R732F)

Mount Options:

- B: Clamp type 34.9 with 31.8 adapter

- F: Brazed on type



FD-R732-F

RD-R47S *Silver /Anodized Black*

Rear Derailleur Short Cage (2×10-Speed)

RD-R47 *Silver /Anodized Black*

Rear Derailleur Long Cage (3×10-Speed)

- Full Aluminum
- Max. sprocket: 28T
- Total capacity: 33T (RD-R47S)
  39T (RD-R47)
- Weight: 218g (RD-R47S)
  226g (RD-R47)

RD-R47S

RD-R51M

Rear Derailleur (2×10-Speed)

- Full Aluminum
- Medium cage
- Max. sprocket: 30T~34T
- Total capacity: 39T
- Weight: 220g

CS-H100

Cassette (10 speed)

- Chrome plated sprockets
- Steel lock ring
- **Gear combination: 11-25T, 11-28T, 11-32T, 11-34T**
- Weight: 274g (11-25T)
  289g (11-28T)
  351g (11-32T)
  377g (11-34T)

SB-R492 *Silver /Black*
Dual Control Lever (2×9-Speed)

SB-R492(S) *Silver /Black*
Short Reach Dual Control Lever (2×9-Speed)

SB-R493 *Silver /Black*
Dual Control Lever (3×9-Speed)

SB-R493(S) *Silver /Black*
Short Reach Dual Control Lever (3×9-Speed)

SB-R490 *Silver /Black*
Dual Control Lever (1×9-Speed)

SB-R490(S) *Silver /Black*
Short Reach Dual Control Lever (1×9-Speed)

- microSHIFT Independent Control Technology
- Shift & Go Technology
  - Shift-Up: Max. 3 gears in one stroke
- Resin/Steel shift levers
- Cold Forged Aluminum brake levers
- SB-R490: Left side brake lever only
- Replaceable hood cover
- Short Reach distance difference: 10mm
- Weight: 430g (pair)

SL-R769-2
Xpress Shift Lever (2×9-Speed)

SL-R769-3
Xpress Shift Lever (3×9-Speed)

- Optical gear indicator
- Aluminum Shift Lever
- For flat type handlebar
- **Left Shifter with trimming function**
- SHIMANO road compatible
- Weight: 282g (Pair)

SL-R859-2
Xpress Shift Lever (2 ×9-Speed)

- Extra light Shifting
- Extra light Weight
- For flat type handlebar
- **Left Shifter with trimming function**
- SHIMANO road compatible
- **Weight: 225g (Pair)**

BS-T09
Transferable Bar end Shifter (2/3 ×9-Speed)

BS-A09
Bar end Shifter (2/3 ×9-Speed)

SL-T09
Transferable Thumb Shifter (2/3 ×9-Speed)

SL-A09
Thumb Shifter (2/3 ×9-Speed)

- Full Aluminum
- A model:
  - Left side: micro-Index
  - Right side: Index
- T model:
  - Left side: micro-Index
  - **Right side: Index/Friction transferable**
- **Shimano Road and MTB 9-Speed compatible**

FD-R352-B/F *Silver /Black*

Front Derailleur (2×9-Speed)

- Down pull
- Chainstay angle: 61-66°
- Capacity: 16T
- Top Gear Teeth: 46-52T
- Chain Line: 43.5mm
- **Rear Sprocket max ≦ 34T**
- Weight: 125g (B)

Mount Options:

- B: Clamp type 34.9 with 31.8 adapter

- F: Brazed on type

FD-R353-B/F *Silver /Black*

Front Derailleur (50-39-30T ×9-Speed)

- Down pull
- Chainstay angle: 63-66°
- Capacity: 20T
- Chain Line: 45mm
- **Rear Sprocket max ≦ 34T**
- Weight: 140g (B)

Mount Options:

- B: Clamp type 34.9 with 31.8 adapter

- F: Brazed on type

RD-R42S

Rear Derailleur Short Cage (2 ×9/10-Speed)

RD-R42

Rear Derailleur Long Cage (3 ×9/10-Speed)

- Steel cage
- Max. sprocket: 28T
- Total capacity: 33T (RD-R42S)
  39T (RD-R42)
- Weight: 265g (RD-R42S)
  288g (RD-R42)

RD-R42S

RD-R43M

Rear Derailleur (2 ×9/10-Speed)

- Steel medium cage
- Max. sprocket: 30 - 34T
- Total capacity: 39T
- Weight: 291g

CS-H092

Cassette (9 speed)

- Nickel plated sprockets
- Steel lock ring
- **Gear combination: 11-25T, 12-25T, 11-28T, 11-32T, 11-34T**
- Weight: 273g (11-25T)
  276g (12-25T)
  276g (11-28T)
  337g (11-32T)
  363g (11-34T)

SB-R482
Dual Control Lever (2×8-Speed)

SB-R482(S)
Short Reach Dual Control Lever (2×8-Speed)

SB-R483
Dual Control Lever (3×8-Speed)

SB-R483(S)
Short Reach Dual Control Lever (3×8-Speed)

SB-R480
Dual Control Lever (1×8-Speed)

SB-R480(S)
Short Reach Dual Control Lever (1×8-Speed)

- microSHIFT Independent Control Technology
- Shift & Go Technology
  - Shift-Up: Max. 3 gears in one stroke
- Resin/Steel shift levers
- Cold Forged Aluminum brake levers
- SB-R480: Left side brake lever only
- Replaceable hood cover
- Short Reach distance difference: 10mm
- Weight: 430g (pair)

SB-R480

SL-R758-2
Xpress Shift Lever (2×8-Speed)

SL-R758-3
Xpress Shift Lever (3×8-Speed)

- Optical gear indicator
- For flat type handlebar
- **Left Shifter with trimming function**
- SHIMANO road compatible
- Weight: 279g (Pair)

BS-T08
Transferable Bar end Shifter (2/3 ×8-Speed)

BS-A08
Bar end Shifter (2/3 ×8-Speed)

- Full Aluminum
- A model:
  - Left side: micro-Index
  - Right side: Index
- T model:
  - Left side: micro-Index
  - Right side: Index/Friction transferable
- Shimano Road and MTB 8-speed compatible
- Weight: 162g (A) (Pair)
  163g (T) (Pair)

FD-R252-B/F
Front Derailleur (2×8-Speed)

- Down pull
- Chainstay angle: 61-66°
- Capacity: 16T
- Top Gear Teeth: 46-52T
- Chain Line: 43.5mm
- **Rear Sprocket max ≦ 34T**
- Weight: 126g (B)

Mount Options:
- B: Clamp type 34.9 with 31.8 adapter
- F: Brazed on type

FD-R253-B/F

Front Derailleur (50-39-30T ×8-Speed)

- Down pull
- Chainstay angle: 63-66°
- Capacity: 20T
- Chain Line: 45mm
- **Rear Sprocket max ≦ 34T**
- Weight: 141g (B)

Mount Options:

- B: Clamp type 34.9 with 31.8 adapter

- F: Brazed on type

RD-R32S

Rear Derailleur Short Cage (2 ×7/8/9-Speed)

RD-R32

Rear Derailleur Long Cage (3 ×7/8/9-Speed)

- Resin/Steel Parts
- Max. sprocket: 28T
- Total capacity: 33T (RD-R32S)
  39T (RD-R32)
- Weight: 266g (RD-R32S)
  290g (RD-R32)

CS-H081

Cassette (8 speed)

- Black sprockets
- Steel lock ring
- **Gear combination: 12-25T, 12-28T, 11-28T**
- Weight: 264g (12-25T)
  273g (12-28T)
  270g (11-28T)

CS-H082

Cassette (8 speed)

- Nickel plated sprockets
- Steel lock ring
- **Gear combination: 12-32T, 11-28T, 11-32T, 11-34T**
- Weight: 339g (12-32T)
  270g (11-28T)
  318.5g (11-32T)
  344g (11-34T)

SB-R472
Dual Control Lever (2×7-Speed)

SB-R472(S)
Short Reach Dual Control Lever (2×7-Speed)

SB-R473
Dual Control Lever (3x7-Speed)

SB-R473(S)
Short Reach Dual Control Lever (3x7-Speed)

SB-R470
Dual Control Lever (1x7-Speed)

SB-R470(S)
Short Reach Dual Control Lever (1x7-Speed)

- microSHIFT Independent Control Technology
- Shift & Go Technology
  - Shift-Up: Max. 3 gears in one stroke
- Resin/Steel shift levers
- Cold Forged Aluminum brake levers
- SB-R470: Left side brake lever only
- Replaceable hood cover
- Short Reach distance difference: 10mm
- Weight: 430g (pair)

SB-R470

SL-D10
Down Tube Shifters (2/3 ×10-Speed)

SL-D10B
Down Tube Shifters (2/3 ×10-Speed)

SL-D09
Down Tube Shifters (2/3 ×9-Speed)

- Full Aluminum CNC
- SL-D10: Shimano 5700, 4600 compatible
- SL-D10**B**: Shimano 4700 compatible
- Left side: micro-Index
- Right side: Index

FD-R52H
Front Derailleur (2 ×8/9-Speed)

FD-R539H
Front Derailleur (52-42-30T ×9-Speed)

FD-R538H
Front Derailleur (52-42-30T ×8-Speed)

- Down pull
- **Design for 20”frame**
- FD-R52H: Chainstay angle: 70-77°
  Capacity: 16T
  Top Gear Teeth: 50-56T
  Chain Line: 43.5mm
- FD-R539H, FD-R538H: Chainstay angle: 72-75°
  Capacity: 22T
  Chain Line: 45mm
- **Rear Sprocket max ≦ 34T**
- **Clamp type 31.8 with 28.6 adapter**

FD-R52H

FD-R74S-B/F

Front Derailleur (2×10-Speed)

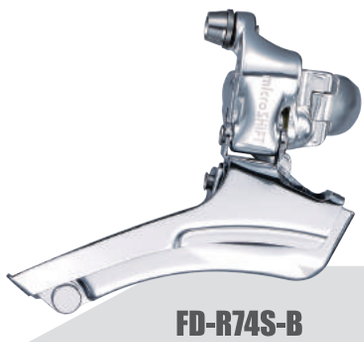
FD-R52S-B/F

Front Derailleur (2×9-Speed)

- Down pull
- **Small size chain guide**
- Chainstay angle: 61-66°
- Capacity: 14T
- Top Gear Teeth: 36-50T
- Chain Line: 43.5mm
- **Rear Sprocket max ≦ 34T**

Mount Options:

- **B: Clamp type 34.9 with 31.8 adapter (FD-R74S-B)**
- **B: Clamp type 31.8 with 28.6 adapter (FD-R52S-B)**
- **F: Brazed on type**



FD-R74S-B

FD-R52S-B

RD-M21S /SA

Rear Derailleur Short Cage (2/3 ×6/7-Speed)

RD-M21SS /SSA

Super Short Cage (1 ×6/7-Speed)

- Resin/Steel Parts
- Economical type
- Max. sprocket: 32T
- Total capacity: 37T(S) /21T(SS)

Mount Options:

- **S /SS: Direct Attachment**
- **SA /SSA: With Bracket (Reverse Type)**

RD-M21S

RD-M21SS

CS-H071

Cassette (7 speed) — Black

CS-H072 NEW

Cassette (7 speed) — Nickel plated

- Steel lock ring
- **Gear combination: 12-28T**

CS-H071

CS-H072

SPECIFICATIONS

MTB Shifter

Series	XCD	XLE11				XLE10				MARVOLT	
Type	Trekking / Touring										
Model	SL-M861-R	SL-M851-R	SL-M11	BS-M11	SB-M110	SL-M850-2	SL-M850-3	SL-M760-2	SL-M760-3	SL-M859	SL-M759-3
Speed	11	11				10				9	
Front shifting	None	–	Double /Triple		–	Double	Triple	Double	Triple	Double /Triple	Triple
Bracket material	Cold forged Al.	Aluminum	Cold forged Al./ CNC	Aluminum	Engineering composite	Aluminum				Aluminum	Aluminum
Main shifting material	Aluminum	Aluminum	Cold forged Al.		Cold forged Al./ Anodized	Aluminum				Aluminum	Composited
Function for front shifting	None	–	Micro Index		–	Index				Index	Index
Bearings inside mechanism	×	–				–				–	–
Shift cable adjuster	×	×		–		×				×	×
Clamp band	22.2mm	22.2mm		Bar end mount 19.0-22.2mm	23.8-24.2mm	22.2mm				22.2mm	22.2mm
Shift cable	Stainless slick										
Average weight	104g	113g	128g	150g	378g	225g		286g		225g	271g

MTB Shifter

Series	MEZZO		NON-GROUP									
Type	Trekking / Touring											
Model	TS39-9	TS39-8	SL-M10	BS-M10	SL-M860-2	SL-M860-3	TS71-9	TS71-8	TS38-9	TS38-8	TS38-7	TS38-6
Speed	9	8	10				9	8	9	8	7	6
Front shifting	Triple		Double /Triple		Double	Triple						
Bracket material	Composited		Cold forged Al./ CNC	Aluminum	Cold forged Al./ CNC		Aluminum		Composited			
Main shifting material	Composited		Cold forged Al.		Aluminum				Composited			
Function for front shifting	Index		Micro Index		Index				Index			
Bearings inside mechanism	–		–		×				–			
Shift cable adjuster	×		×	–	×							
Clamp band	22.2mm		22.2mm	Bar end mount 19.0-22.2mm	22.2mm							
Shift cable	Regular		Stainless slick						Regular			
Average weight	242g		128g	150g	207g		282g		242g			

* SHIMANO MTB /Trekking derailleur compatible

Road Shifter

Series	ARSIS11		CENTOS11				CENTOS10			
Type	Drop	Bar end mount	Drop	Flat		Bar end mount	Drop	Flat	Bar end mount	
Model	SB-R512C	BS-C11	SB-R512B	SL-R861	SL-R761	BS-A11	SB-R502B	SL-R860B-2	BS-A10B	BS-T10B
Speed	11		11				10			
Front shifting	Double	Double /Triple (micro index)	Double			Double /Triple (micro index)	Double		Double /Triple (micro index)	
Bracket material	Engineering composite	Aluminum Black painted	Engineering composite	Aluminum		Aluminum Black painted	Engineering composite	Aluminum	Aluminum Black painted	
Brake lever material	Carbon / Cold forged Al.	–	Cold forged Al. / anodized	–			Cold forged Al. / anodized	–		
Main shifting material	–		–	Aluminum		–	–	Aluminum	–	
Shift lever materail	–	Carbon	–			Cold forged Al. / anodized	–		Cold forged Al. / anodized	
Trimmimg function for front shifting	×		×				×			
Bearings inside mechanism	–		–	×		–	–	×	–	
Brake lever reach adjuster	×	–	×	–			×	–		
Shift cable adjuster	–		–	×		–	–	×	–	
Clamp band	23.8~24.2mm	19.0~22.0mm	23.8~24.2mm	22.2mm		19.0~22.0mm	23.8~24.2mm	22.2mm	19.0~22.0mm	
Shift cable	Stainless slick									
Average weight	498g	136g	498g	205g	292g	140g	430g	205g	140g	141g

Series	R10					R9				
Type	Drop	Flat		Bar end mount		Drop		Flat		
Model	SB-R402K / SB-R403K	SL-R760-2	SL-R760-3	BS-A10	BS-T10	SB-R492 / SB-R492(S)	SB-R493 / SB-R493(S)	SL-R769-2	SL-R769-3	SL-R859-2
Speed	10					9				
Front shifting	Double		Triple	Double /Triple (micro index)		Double	Triple (50-39-30T)	Double	Triple	Double
Bracket material	Engineering composite	Aluminum		Aluminum Black painted		Engineering composite		Aluminum		
Brake lever material	Cold forged Al. / anodized	–				Cold forged Al./ anodized		–		
Main shifting material	–	Aluminum		–		–		Aluminum		
Shift lever materail	–			Cold forged Al./ anodized		–				
Trimmimg function for front shifting	×					×				
Bearings inside mechanism	–					–				
Brake lever reach adjuster	–					–				
Shift cable adjuster	Option	×		–		Option		×		
Clamp band	23.8~24.2mm	22.2mm		19.0~22.0mm		23.8~24.2mm		22.2mm		
Shift cable	Stainless slick									
Average weight	430g	284g	284g	140g	141g	430g	430g	282g	282g	225g

Series	R9		R8				NON-GROUP					
Type	Bar end mount		Drop		Flat		Drop			Down tube mount		
Model	BS-A09	BS-T09	SB-R482 / SB-R482(S)	SB-R483 / SB-R483(S)	SL-R758-2	SL-R758-3	SB-R502E	SB-R472 / SB-R472(S)	SB-R473 / SB-R473(S)	SL-D10	SL-D10B	SL-D09
Speed	9		8				10		7	10		9
Front shifting	Double /Triple (micro index)		Double	Triple (50-39-30T)	Double	Triple	Double		Triple (50-39-30T)	Double /Triple (micro index)		
Bracket material	Aluminum Black painted		Engineering composite		Aluminum		Engineering composite			–		
Brake lever material	–		Cold forged Al./Anodized		–		Cold forged Al./Anodized			–		
Main shifting material	–		–				–					
Shift lever materail	Cold forged Al./Anodized		–				–			Cold forged Al./Anodized		
Trimmimg function for front shifting	×		×				×					
Bearings inside mechanism	–		–				–					
Brake lever reach adjuster	–		–				×	–				
Shift cable adjuster	–		Option		×		–	Option		–		
Clamp band	19.0~22.0mm		23.8~24.2mm		22.2mm		23.8~24.2mm			Down tube mount		
Shift cable	Stainless slick											
Average weight	162g	163g	430g	430g	279g	279g	498g	430g	430g	70g	70g	70g

MTB Front Derailleur

Series	XLE11			XLE10				MARVOLT		
Type	MTB									
Model	FD-M622B	FD-M622D	FD-M622GB	FD-M613D	FD-M612D	FD-M613B	FD-M612B	FD-M43	FD-M462B	FD-M462D
Chain Ring	11			10				9		
Cassette Compatibility	Double			Triple	Double	Triple	Double	Triple	Double	
Top Gear Teeth	34-38T		42-46T	42-40T	44-38T	42-40T	44-38T	44T(32T-22T)	34-42T	
Capacity	10		12T	18T	14T	18T	14T	22T	14T	
Route Type	Dual Pull			Dual Pull or Top Pull Only		Dual pull		Dual pull		
Chainstay Angle	66-69		63-66	66-69						
Mount Type	Band	Direct mount	Band	Direct mount /Band				Band		Direct mount
Chain Line	48.8mm			50.0mm	48.8mm	50.0mm	48.8mm	50.0 /47.5mm	48.8mm	48.8mm
Band Diameter	34.9 /31.8⊙	–	34.9 /31.8⊙	–		34.9 /31.8⊙		34.9 /31.8⊙ /28.6⊡	34.9 /31.8⊙	–
Front Clamp Band	Aluminum Black	–	Aluminum Black	–		Aluminum Black		Steel Black	Aluminum Black	–
Rear Clamp Band	Aluminum Black			Aluminum Black				Aluminum Black		
Outer Link	Aluminum Black			Aluminum Black				Steel	Aluminum Black	
Inner Link	Aluminum Black			Aluminum				Steel	Aluminum	
Chain Guide	Steel C.P.									
Average Weight	148g	135g	149g	144g	142g	158g	156g	150g	154g	140g

Series	MEZZO				NON-GROUP		
Type	MTB						
Model	FD-M30	FD-M22	FD-M20	FD-M853D	FD-M852D	FD-M853B	FD-M852B
Chain Ring	8	8/7	8/7	10	10		
Cassette Compatibility	Triple				Double	Triple	Double
Top Gear Teeth	42T(32T-22T)	48T(38T-28T)	42T(34T-24T)	42-40T	44-38T	42-40T	44-38T
Capacity	20T		18T		14T	18T	14T
Route Type	Dual pull			Dual Pull or Top Pull Only	Dual Pull or Top Pull Only	Dual Pull	
Chainstay Angle	66-69						
Mount Type	Band			Direct mount	Direct mount	Band	
Chain Line	50.0 /47.5mm			50.0mm	48.8mm	50.0mm	48.8mm
Band Diameter	34.9 /31.8⊙ /28.6⊡			–	–	34.9 /31.8⊙	
Front Clamp Band	Steel Black			–	–	Aluminum Black	
Rear Clamp Band	Aluminum Black				Aluminum Black		
Outer Link	Aluminum Black			Al./Black Anodized /CNC machined	Al./Black Anodized /CNC machined		
Inner Link	Steel			Aluminum	Aluminum		
Chain Guide	Steel C.P.						
Average Weight	143g	152g	143g	143g	141g	157g	155g

⊙ Clamp spacer (SM-M31) allow the derailleur to be Ø31.8mm frame tube. Without ring spacer the derailler mounts to Ø34.9mm frame tube.
⊡ Clamp spacer (SM-M28) allow the derailleur to be Ø31.8mm frame tube. Without ring spacer the derailler mounts to Ø34.9mm frame tube.

Road Front Derailleur

Series	ARSIS11	CENTOS11	CENTOS10	R10			R9	
Type	Drop /Flat							
Model	FD-R68-B FD-R68-F	FD-R58-B FD-R58-F	FD-R552-B FD-R552-F	FD-R712-B FD-R712-F	FD-R732-B FD-R732-F	FD-R730-B FD-R730-F	FD-R352-B FD-R352-F	FD-R353-B FD-R353-F
Chain Ring	11	11	10	10			9	
Cassette Compatibility	Double	Double	Double	Double	Triple		Double	Triple
Top Gear Teeth	50-56T	50-56T	50-56T	50-56T	52T(39T~30T)		46-52T	50T(39T~30T)
Capacity	16T	16T	16T	16T	22T	20T	16T	20T
Route Type	Down pull							
Chainstay Angle	61-66	61-66	61-66	61-66	63-66		61-66	63-66
Mount Type	B: Band type /F: Brazed-on type							
Chain Line	43.5mm	43.5mm	43.5mm	43.5mm	45.0mm		43.5mm	45.0mm
Band Diameter	34.9 /31.8⊙	34.9 /31.8⊙	34.9 /31.8⊙	34.9 /31.8⊙			34.9 /31.8⊙	
Front Clamp Band	Cold forged Al.	Cold forged Al.	Cold forged Al.	Cold forged Al.			Aluminum	
Rear Clamp Band	Cold forged Al.	Cold forged Al.	Cold forged Al.	Cold forged Al.			Aluminum	
Outer Link	Carbon wrapped	Cold forged Al.	Cold forged Al.	Cold forged Al.			Aluminum	
Inner Link	Cold forged Al.	Cold forged Al.	Cold forged Al.	Cold forged Al.			Steel	
Chain Guide	Steel C.P.							
Average Weight	97g (F)	95g (F)	96g (F)	96g (F)	117g (F)	119g (F)	125g (B)	140g (B)

Series	R8		NON-GROUP			20" FRAME		
Type	Drop /Flat							
Model	FD-R252-B FD-R252-F	FD-R253-B FD-R253-F	FD-R74-B FD-R74-F	FD-R74S-B FD-R74S-F	FD-R52S-B FD-R52S-F	FD-R52H	FD-R539H	FD-R538H
Chain Ring	8		10		10 /9	9/8	9	8
Cassette Compatibility	Double	Triple	Double			Double	Triple	
Top Gear Teeth	46-52T	50T(39T~30T)	50-56T	36-50T		50-56T	52T(42T-30T)	
Capacity	16T	20T	16T	14T		16T	22T	
Route Type	Down pull							
Chainstay Angle	61-66	63-66	61-66			70-77	72-75	
Mount Type	B: Band type /F: Brazed-on type							
Chain Line	43.5mm	45.0mm	43.5mm			43.5mm	45.0mm	
Band Diameter	34.9 /31.8⊙		34.9 /31.8⊙		31.8 /28.6⊡	31.8 /28.6⊡		
Front Clamp Band	Aluminum		Cold forged Al.			Cold forged Al.		
Rear Clamp Band	Aluminum		Cold forged Al.			Cold forged Al.		
Outer Link	Aluminum		Cold forged Al.			Cold forged Al.		
Inner Link	Steel		Cold forged Al.			Cold forged Al.		
Chain Guide	Steel C.P.							
Average Weight	126g (B)	141g (B)	99g (F)	84.5g (F)	86.5g (F)	114g	123g	124g

MTB Rear Derailleur

Series	XCD		XLE11		XLE10			MARVOLT		MEZZO	
Model	RD-M865M	RD-M86M	RD-M665M	RD-M66M	RD-M61L	RD-M61S	RD-M62L	RD-M46L	RD-M46S	RD-M36L	RD-M36S
Speed	11		11		10/11			8/9		8/9	
Max. Sprocket	40-46T		40-46T		36T		36-42T	36T		34T	
Min. Sprocket	11T		11T		11T			11T		11T	
Total Capacity	41T		41T		43T	35T	47T	45T	39T	45T	39T
Guide Pulley	Engineering composite with steel bushing										
Tension Pulley	Engineering composite with steel bushing										
Bracket Body	Aluminum /Black Painted										
Plate Body	Aluminum	Resin /Black	Resin /Black		Resin /Black			Resin /Black		Resin /Black	
Outer Link	Cold forged Al. / Black Anodized		Aluminum /Painted		Aluminum /Painted			Aluminum /Painted		Resin /Black	
Inner Link	Steel /Black		Steel /Black		Steel /Black			Steel /Black		Steel	
Outer Plate	Al. /Black Anodized		Steel /Black Painted		Steel /Black Painted			Steel /Black Painted		Steel /Black Painted	
Inner Plate	Al. /Black Anodized		Steel /Black Painted		Steel /Black Painted			Steel /Black Painted		Steel /Black Painted	
Average Weight	312g	240g	373g	301g	281g	270g	285g	317g	307g	306g	293g

MTB Rear Derailleur

Series	NON-GROUP							
Model	RD-M26L	RD-M26S	RD-M21L	RD-M21S	RD-M21SS	RD-M21LA	RD-M21SA	RD-M21SSA
Speed	8/7		7/6					
Max. Sprocket	34T		32T					
Min. Sprocket	11T							
Total Capacity	45T	39T	43T	37T	21T	43T	37T	21T
Guide Pulley	Engineering composite with steel bushing							
Tension Pulley	Engineering composite with steel bushing							
Bracket Body	Resin /Black		Resin /Black Direct attachment			Resin /Black Direct attachment With reverse bracket		
Plate Body	Resin /Black							
Outer Link	Resin /Black		Resin +Steel					
Inner Link	Steel /Black							
Outer Plate	Steel /Black Painted							
Inner Plate	Steel /Black Painted							
Average Weight	294g	284g	279g	269g	241g	316g	306g	278g

* SHIMANO MTB /Terrking derailleur compatible

Road Rear Derailleur

Series	ARSIS11	CENTOS11	CENTOS	R10			R9			R8	
Model	RD-R68S	RD-R58S	RD-R55S	RD-R51M	RD-R47S	RD-R47	RD-R42S	RD-R43M	RD-R42	RD-R32S	RD-R32
Speed	11	11	10	10/9			10/9			9/8/7	
Max. Sprocket	25-32T	25-32T	25-32T	30-34T	28T	28T	28T	30-34T	28T	28T	
Min. Sprocket	11T	11T	11T	11T			11T			11T	
Total Capacity	35T	35T	35T	39T	33T	39T	33T	39T	39T	33T	39T
Guide Pulley	Engineering composite with sealed bearing	Engineering composite with steel bushing		Engineering composite with steel bushing			Engineering composite with steel bushing			Engineering composite with steel bushing	
Tension Pulley	Engineering composite with sealed bearing	Engineering composite with steel bushing		Engineering composite with steel bushing			Engineering composite with steel bushing			Engineering composite with steel bushing	
Bracket Body	Cold forged Al.	Cold forged Al.		Aluminum / Hi-Polished Silver or Black			Aluminum /Black			Composited /Black	
Bracket Pivot Seal	×	×		–			–			–	
Plate Body	Resin /Black painted	Resin /Black painted		Aluminum / Hi-Polished Silver or Black			Composited /Black			Composited /Black	
Plate Pivot Seal	×	×		–			–			–	
Outer Link	Carbon wrapped over cold forged Al.	Aluninum /Black anodized		Aluminum / Hi-Polished Silver or Black			Aluminum / Hi-Polished	Aluminum /Black	Aluminum / Hi-Polished	Steel /Black painted	
Inner Link	Al. /Black painted	Al. /Black painted		Steel /Black painted			Steel /Black painted			Steel /Black painted	
Link Pin Bushing	Stainless steel	Stainless steel	Stainless steel	Stainless steel	–	–	–	–	–	–	–
Outer Plate	Al./ Black anodized	Al./ Black anodized	Al./ Black anodized	Al./ Black anodized	Al./ Silver anodized		Steel /Black painted			Steel /Black painted	
Inner Plate	Al./ Black anodized	Al./ Black anodized	Al./ Black anodized	Al./ Black anodized	Al./ Silver anodized		Steel /Black painted			Steel /Black painted	
Average Weight	197g	194g	195g	220g	218g	226g	265g	291g	288g	266g	290g

Road Rear Derailleur

Series	NON-GROUP			
Model	RD-M21S	RD-M21SS	RD-M21SA	RD-M21SSA
Speed	7/6			
Max. Sprocket	32T			
Min. Sprocket	11T			
Total Capacity	37T	21T	37T	21T
Guide Pulley	Engineering composite with steel bushing			
Tension Pulley	Engineering composite with steel bushing			
Bracket Body	Resin /Black Direct attachment		Resin /Black Direct attachment With reverse bracket	
Plate Body	Resin /Black			
Outer Link	Resin +Steel			
Inner Link	Steel /Black			
Outer Plate	Steel /Black Painted			
Inner Plate	Steel /Black Painted			
Average Weight	269g	241g	306g	278g

Cassette Sprocket (SHIMANO compatible)

Model No.		CS-G113	CS-H113	CS-G113	CS-H113	CS-G113	CS-H113	CS-H110	CS-G110	CS-H110	CS-G110	CS-H110	CS-H103	CS-H103	CS-G100	CS-H100	CS-H100
Speed		11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10
Combination	11	46*	46*	42*	42*	40*	40*	32	28	28	25	25					
	10	40*	40*	36	36	36	36	28	24	24	23	23	42*	40*	36	36	34
	9	36	36	32	32	32	32	24	21	21	21	21	36	36	32	32	28
	8	32	32	28	28	28	28	21	19	19	19	19	32	32	28	28	24
	7	28	28	24	24	24	24	19	17	17	17	17	28	28	24	24	21
	6	24	24	21	21	21	21	17	16	16	16	16	24	24	21	21	19
	5	21	21	19	19	19	19	15	15	15	15	15	21	21	19	19	17
	4	18	18	17	17	17	17	14	14	14	14	14	18	18	17	17	15
	3	15	15	15	15	15	15	13	13	13	13	13	15	15	15	15	13
	2	13	13	13	13	13	13	12	12	12	12	12	13	13	13	13	12
	1	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Material		Steel															
Surface Treatment		ED Black						Chrome Plated					ED Black		Chrome Plated		
Bracket Spider		Y	N	Y	N	Y	N	N	Y	N	Y	N	N	N	Y	N	N
Lock Ring		AL.	Steel	AL.	Steel	AL.	Steel	Steel	AL.	Steel	AL.	Steel	Steel	Steel	AL.	Steel	Steel
Average Weight		488g	618g	426.5g	557g	419.5g	549.5g	371g	271.5g	311g	264.5g	301g	535.5g	527g	357g	446g	377g
Recommended Chain		HG 11-Speed											HG 10-Speed				

Cassette Sprocket (SHIMANO compatible)

Model No.		CS-H100	CS-G100	CS-H100	CS-G100	CS-H100	CS-H092	CS-H092	CS-H092	CS-H092	CS-H092	CS-H092	CS-H081	CS-H081	CS-H081	CS-H081	CS-H081	CS-H081
Speed		10	10	10	10	10	9	9	9	9	9	9	8	8	8	8	8	8
Combination	11																	
	10	32	28	28	25	25												
	9	28	24	24	23	23	36	34	32	28	25	25						
	8	24	21	21	21	21	32	28	28	24	23	23	34	32	32	28	28	25
	7	21	19	19	19	19	28	24	24	21	21	21	28	28	28	24	24	23
	6	19	17	17	17	17	24	21	21	19	19	19	24	24	24	21	21	21
	5	17	15	15	15	15	21	19	19	17	17	17	21	21	21	19	19	19
	4	15	14	14	14	14	18	17	17	15	15	15	18	18	18	17	17	17
	3	13	13	13	13	13	15	15	15	13	13	14	15	15	15	15	15	15
	2	12	12	12	12	12	13	13	13	12	12	13	13	13	13	13	13	13
	1	11	11	11	11	11	11	11	11	11	11	12	11	11	12	11	12	12
Material		Steel																
Surface Treatment		Chrome Plated					Nickel Plated						Black					
Bracket Spider		N	Y	N	Y	N	N						N					
Lock Ring		Steel	AL.	Steel	AL.	Steel	Steel						Steel					
Average Weight		351g	255g	289g	239g	274g	442.5g	363g	337g	276g	273g	276g	344g	318.5g	339g	270g	273g	264g
Recommended Chain		HG 10-Speed					HG 9-Speed						HG 8-Speed					

Cassette Sprocket (SHIMANO compatible)

Model No.		CS-H082	CS-H082	CS-H082	CS-H082	CS-H072	CS-H071
Speed		8	8	8	8	7	7
Combination	11						
	10						
	9						
	8	34	32	32	28		
	7	28	28	28	24	28	28
	6	24	24	24	21	24	24
	5	21	21	21	19	21	21
	4	18	18	18	17	18	18
	3	15	15	15	15	15	15
	2	13	13	13	13	13	13
	1	11	11	12	11	12	12
Material		Steel					
Surface Treatment		Nickel Plated					Black
Bracket Spider		N					
Lock Ring		Steel					
Average Weight		344g	318.5g	339g	270g	261g	261g
Recommended Chain		HG 8-Speed				HG 7-Speed	

* 7075 Aluminum

NOTE

microSHIFT
www.microshift.com.tw

TAIWAN HEAD OFFICE & FACTORY

Addres No.1313-6, Zhong Shan Rd.,
Shen Kang Dist., Taichung., Taiwan.
Email sales@microshift.com.tw
service@microshift.com.tw

CHINA FACTORY

Address Huizhou City YuanSheng Bicycle Parts CO., LTD.
New Industrial Park MoLing Village BaiHua Town,
HuiDong County HuiZhou City, GuangDong, China.

microSHIFT USA

Address 6400 W 105th St.
Bloomington, MN 55438, USA
Email service.usa@microshift.com.tw